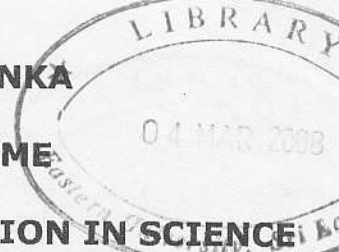


EASTERN UNIVERSITY, SRI LANKA

EXTERNAL DEGREE PROGRAMME



SECOND YEAR FIRST SEMESTER EXAMINATION IN SCIENCE
2004/2005 (NOVEMBER/DECEMBER, 2006) (PROPER/REPEAT)

EXTBT 201, DEVELOPMENTAL PHYSIOLOGY

Answer All Questions

Time: 02 hrs

- 1) a) What is dormancy?
b) What factors determine seed dormancy? Explain how they operate.
c) Write on steps involved in revoking seed dormancy.

- 2) Write short notes on following,
a) Biosynthesis of IAA
b) Bioassay of GA

- 3) Interpret the following statements,
a) " P_r and P_f are interconvertible and responsible for flowering"
b) "Hydroponics is a modern trend in cultivation"
c) "N, P and K are essential macronutrients for major physiological activities"

- 4) a) What do you understand by "Acid growth" in a cell.
b) Write down the physio-chemical changes taking place during fruit ripening.
c) How does IAA affect responses of different plant organs to growth controlled mechanisms?